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(57) Abstract: Screening methods for identifying compounds that inhibit γ -secretase activity are provided. The screening methods involve the generation of a transgenic *P. pastoris* expressing PS1, APH-1, PEN-2, and nicastrin. Test compounds can be screened for the ability to modulate γ -secretase activity *in vivo* or *in vitro*.



WO 2005/031363 A1